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TRANSPORTATION PROFILE

CITY OF WATERFORD

- CITY OF WATERFORD TRENDS AND PLACE OF WORK
- MOBILITY LIMITATION STATUS BY AGE AND MEANS OF TRANSPORTATION
- VEHICLES AVAILABLE IN HOUSEHOLDS
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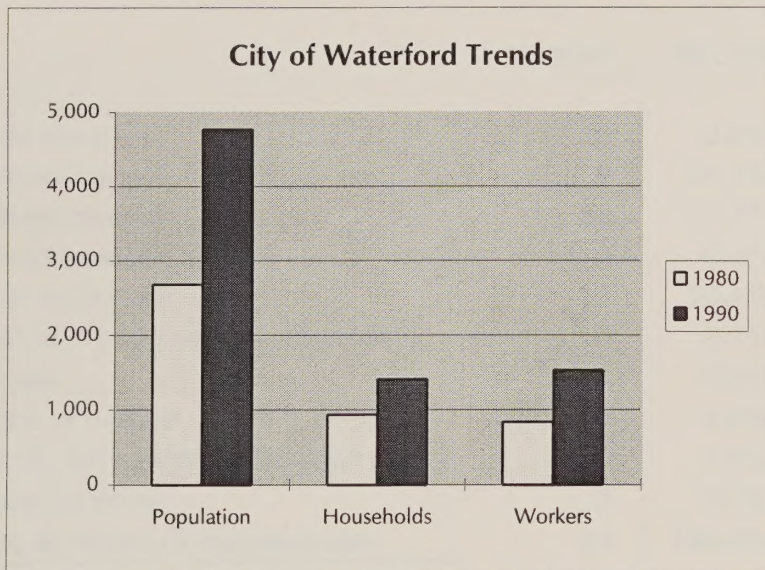
CITY OF WATERFORD TRENDS

	1980 ¹	1990 ²	% Change
Population	2,683	4,771	77.8%
Households	939	1,414	50.6%
Workers	837	1,536	83.5%
Workers/Household	0.89	1.09	21.9%

SOURCES:

¹ 1980 Census, Summary Tape File 3

² 1990 Census, Summary Tape File 3



PLACE OF WORK

Workers 16 Years and Over

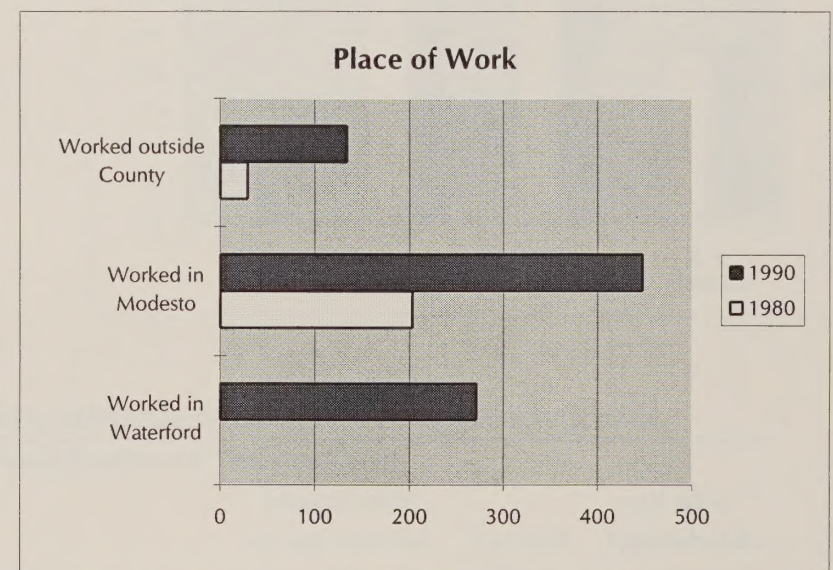
	1980		1990	
	#	%	#	%
Worked outside County	39 ¹	4.7%	134 ²	8.7%
Worked in Modesto	203 ¹	24.3%	448 ³	29.2%
Worked in Waterford	N/A ¹	N/A	271 ³	17.6%

SOURCES:

¹ 1980 Census, Summary Tape File 3

² 1990 Census, Summary Tape File 3

³ 1990 Census Transportation Planning Package



MOBILITY LIMITATION STATUS* BY AGE (1990)

Persons 16 Years and Over With a Mobility Limitation

	Number	Percent
16 to 20 years	0	0.0%
21 to 54 years	74	31.4%
55 to 64 years	37	15.7%
65 years and over	125	53.0%
Total	236	100.0%

SOURCE: 1990 Census Transportation Planning Package

* Persons were identified as having a mobility limitation if they had a health condition that lasted for 6 or more months and which made it difficult to go outside the home alone.

MOBILITY LIMITATION STATUS* BY MEANS OF TRANSPORTATION (1990)

Workers 16 Years and Over With a Mobility Limitation

	Number	Percent
Drove alone	0	0.0%
2-person carpool	9	23.1%
3-person carpool	20	51.3%
4-or-more-person carpool	0	0.0%
Bus or trolley bus	10	25.6%
Streetcar, trolley, subway, elevated	0	0.0%
Railroad	0	0.0%
Bicycle or walked	0	0.0%
Taxicab, ferry, motorcycle, other means	0	0.0%
Worked at home	0	0.0%
Total, all means of transportation	39	100.0%

SOURCE: 1990 Census Transportation Planning Package

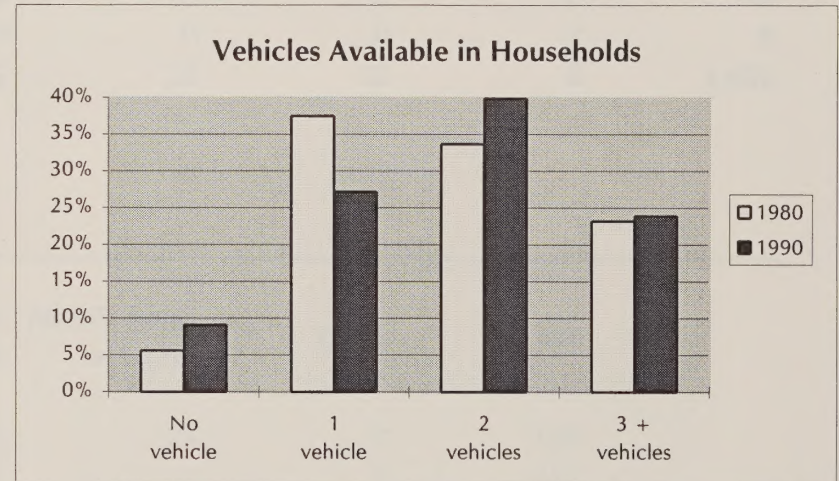
* Persons were identified as having a mobility limitation if they had a health condition that lasted for 6 or more months and which made it difficult to go outside the home alone.

VEHICLES AVAILABLE IN HOUSEHOLDS

Households

	1980		1990	
	Number	Percent	Number	Percent
No vehicle	52	5.6%	128	9.1%
1 vehicle	351	37.5%	384	27.2%
2 vehicles	315	33.7%	564	39.9%
3 or more vehicles	217	23.2%	338	23.9%
Total	935	100.0%	1,414	100.0%

SOURCE: 1980 and 1990 Census Summary Tape File 3



HOUSEHOLDERS WITH NO VEHICLES AVAILABLE

Householders 65 Years or Older

	Households w/ no vehicles		All 65+ Households
	Number	Percent	Number
1980	42	15.4%	272
1990	74	25.2%	294

SOURCE: 1980 and 1990 Census Summary Tape File 3

VEHICLES AVAILABLE BY HOUSEHOLD INCOME (1989)

Households								
	< \$10,000	\$10,000- \$29,999	\$30,000- \$49,999	\$50,000- \$74,999	\$75,000- \$99,999	\$100,000- \$149,999	\$150,000 or more	Total
No vehicles	91	25	9	0	0	0	0	125
1 vehicle	132	226	23	6	0	0	0	387
2 vehicles	33	270	219	38	23	5	0	588
3 vehicles	8	93	71	53	0	17	0	242
4 vehicles	0	0	31	46	0	0	0	77
5 vehicles	0	0	0	0	0	0	0	0
6 vehicles	0	0	0	13	0	0	0	13
7 or more vehicles	0	0	0	0	0	0	0	0
Total	264	614	353	156	23	22	0	1,432

SOURCE: 1990 Census Transportation Planning Package

UNITS IN STRUCTURE BY VEHICLES AVAILABLE (1990)

Households							
	1 unit, detached	1 unit, attached	2 to 4 units	5 or more units	Mobile home or trailer	Other	Total
No vehicles	65	0	21	16	23	0	125
1 vehicle	199	46	36	93	13	0	387
2 vehicles	572	0	11	0	5	0	588
3 vehicles	217	0	15	0	10	0	242
4 vehicles	73	0	0	0	4	0	77
5 vehicles	0	0	0	0	0	0	0
6 vehicles	13	0	0	0	0	0	13
7 or more vehicles	0	0	0	0	0	0	0
Total	1,139	46	83	109	55	0	1,432

SOURCE: 1990 Census Transportation Planning Package



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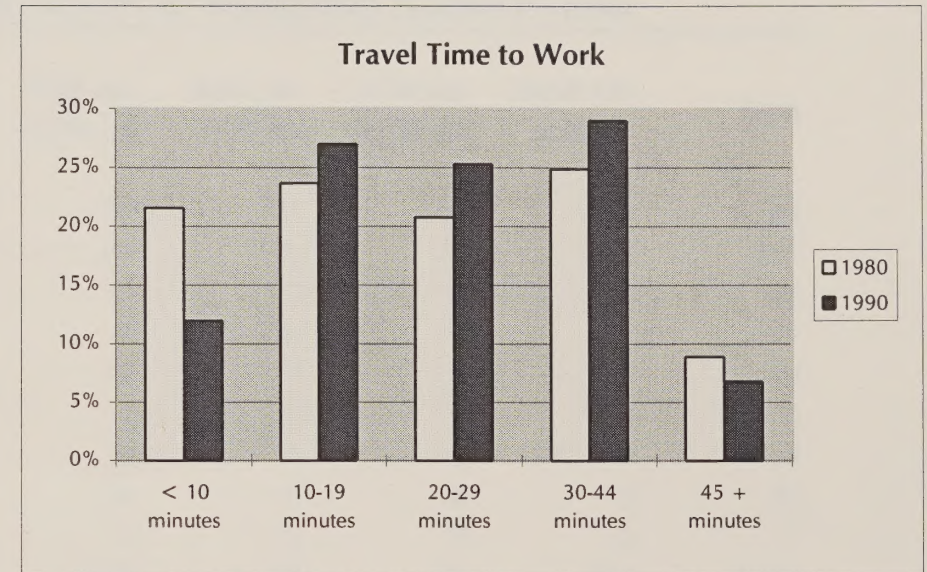
TRAVEL TIME TO WORK

Workers 16 Years and Over Who Did Not Work at Home

	1980		1990	
	Number	Percent	Number	Percent
Less than 10 minutes	189	21.6%	179	12.0%
10 to 19 minutes	207	23.7%	402	27.0%
20 to 29 minutes	182	20.8%	377	25.3%
30 to 44 minutes	217	24.9%	432	29.0%
45 or more minutes	78	8.9%	101	6.8%
Total	873	100.0%	1,491	100.0%

Mean Travel Time 21.9 minutes 24.0 minutes

SOURCE: 1980 and 1990 Census, Summary Tape File 3

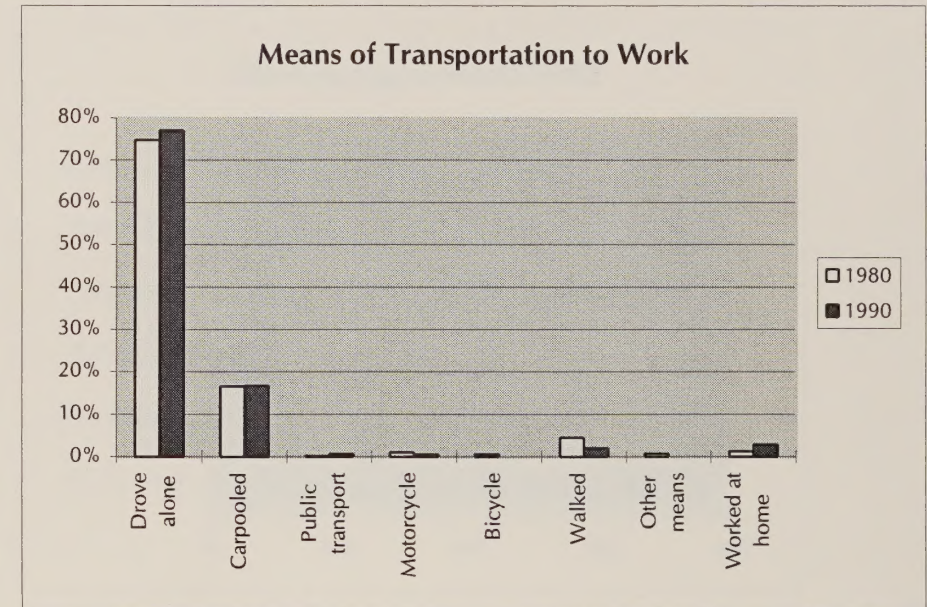


MEANS OF TRANSPORTATION TO WORK

Workers 16 Years and Over

	1980		1990	
	Number	Percent	Number	Percent
Drove alone	626	74.8%	1,184	77.1%
Carpooled	139	16.6%	257	16.7%
Public transportation	2	0.2%	10	0.7%
Motorcycle	9	1.1%	7	0.5%
Bicycle	5	0.6%	0	0.0%
Walked	38	4.5%	33	2.1%
Other means	7	0.8%	0	0.0%
Worked at home	11	1.3%	45	2.9%
Total	837	100.0%	1,536	100.0%

SOURCE: 1980 Census, Summary Tape File 4; 1990 Census Transportation Planning Package

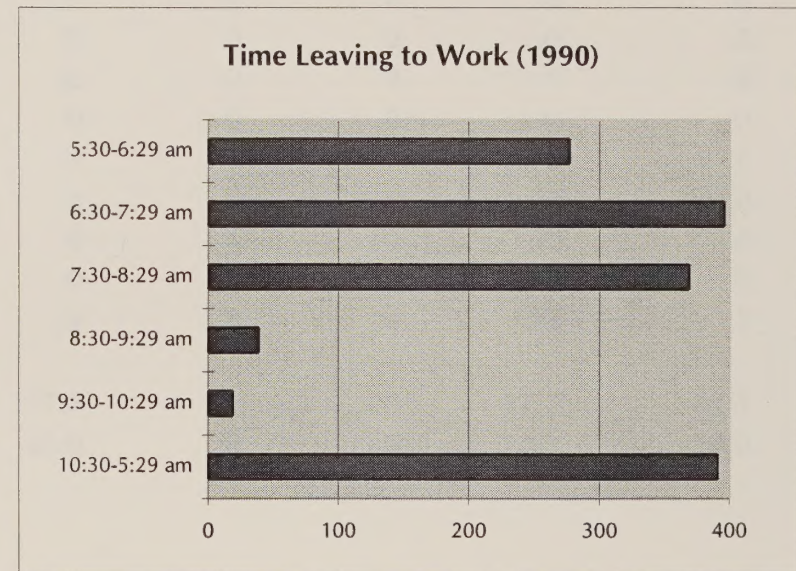
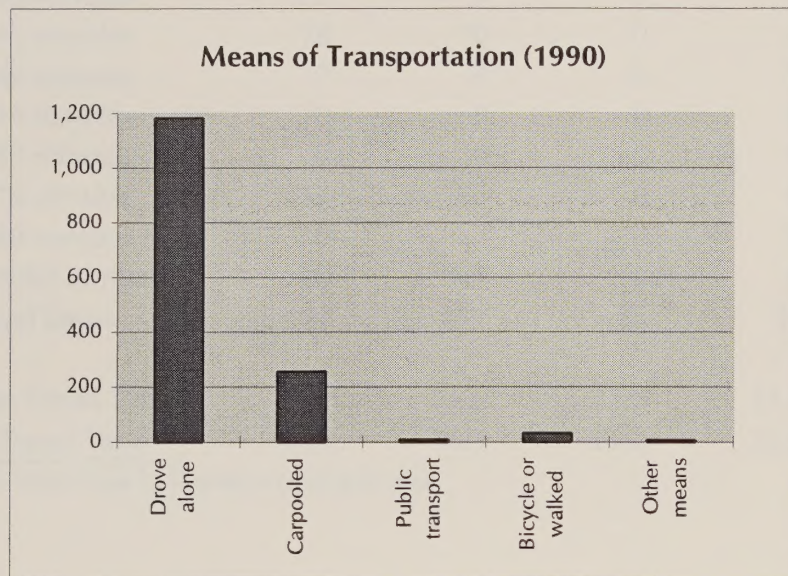


MEANS OF TRANSPORTATION TO WORK BY TIME LEAVING FOR THE CITY OF WATERFORD RESIDENTS (1990)

Workers 16 Years and Over Who Did Not Work at Home

	5:30 am- 6:29 am	6:30 am- 7:29 am	7:30 am- 8:29 am	8:30 am- 9:29 am	9:30 am- 10:29 am	10:30 am- 5:29 am	Total
Drove alone	200	349	258	27	19	331	1,184
2-person carpool	31	38	27	12	0	49	157
3-person carpool	46	0	37	0	0	0	83
4-or-more-person carpool	0	0	6	0	0	11	17
Bus or trolley bus	0	0	10	0	0	0	10
Streetcar, trolley, subway, elevated	0	0	0	0	0	0	0
Railroad	0	0	0	0	0	0	0
Bicycle or walked	0	9	24	0	0	0	33
Taxicab, ferry, motorcycle, other means	0	0	7	0	0	0	7
Total	277	396	369	39	19	391	1,491

SOURCE: 1990 Census Transportation Planning Package



MEANS OF TRANSPORTATION TO WORK BY TRAVEL TIME FOR THE CITY OF WATERFORD RESIDENTS (1990)

Workers 16 Years and Over Who Did Not Work at Home

	Drove alone	2-person carpool	3-person carpool	4-or-more- person carpool	Bus or trolley bus	Streetcar, trolley, subway, elevated	Railroad	Bicycle or walked	Taxicab, ferry, motorcycle, other means	Total
Less than 5 minutes	17	0	0	0	0	0	0	0	0	17
5 to 9 minutes	128	16	9	0	0	0	0	9	0	162
10 to 14 minutes	132	13	0	0	0	0	0	18	7	170
15 to 19 minutes	196	18	18	0	0	0	0	0	0	232
20 to 24 minutes	197	28	21	11	0	0	0	0	0	257
25 to 29 minutes	99	11	0	0	10	0	0	0	0	120
30 to 34 minutes	319	17	35	6	0	0	0	6	0	383
35 to 39 minutes	21	0	0	0	0	0	0	0	0	21
40 to 44 minutes	18	10	0	0	0	0	0	0	0	28
45 to 49 minutes	17	4	0	0	0	0	0	0	0	21
50 to 54 minutes	0	0	0	0	0	0	0	0	0	0
55 to 59 minutes	0	0	0	0	0	0	0	0	0	0
60 to 74 minutes	12	10	0	0	0	0	0	0	0	22
75 to 89 minutes	0	11	0	0	0	0	0	0	0	11
90 minutes or more	28	19	0	0	0	0	0	0	0	47
All travel times	1,184	157	83	17	10	0	0	33	7	1,491
Median Travel Time	23.0	26.6	23.5	23.9	27.5	0	0	12.1	12.5	23.2
Mean Travel Time	22.6	36.1	21.5	23.5	25.0	0	0	12.3	10.0	23.7

SOURCE: 1990 Census Transportation Planning Package

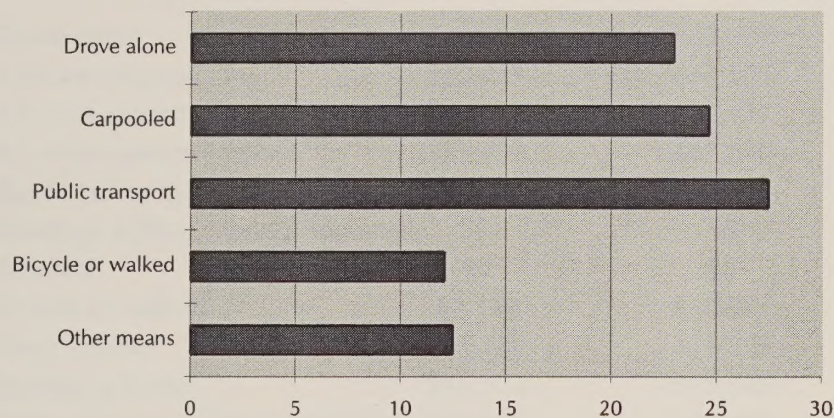
MEDIAN TRAVEL TIME IN MINUTES BY MEANS OF TRANSPORTATION BY TIME LEAVING HOME TO GO TO WORK (1990)

Workers 16 Years and Over Who Did Not Work at Home

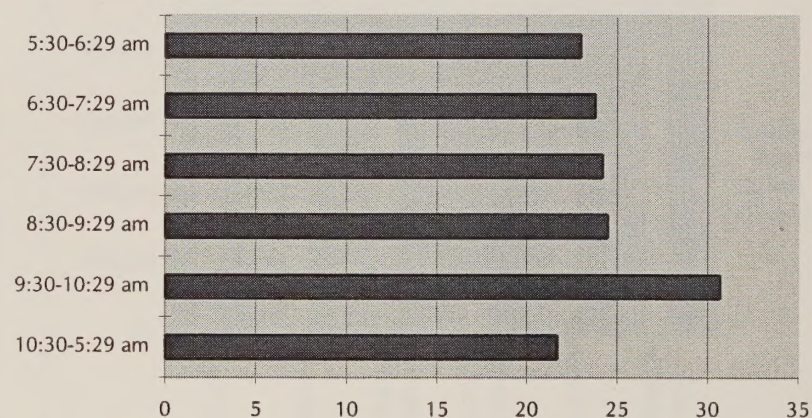
	Drove alone	2-person carpool	3-person carpool	4-or-more-person carpool	Bus or trolley bus	Streetcar, trolley, subway, elevated	Railroad	Bicycle or walked	Taxicab, ferry, motorcycle, other means	Total
5:30 am-6:29 am	20.2	44.2	30.4	0	0	0	0	0	0	23.0
6:30 am-7:29 am	24.6	24.3	0	0	0	0	0	7.5	0	23.8
7:30 am-8:29 am	25.0	23.2	17.6	32.5	27.5	0	0	13.3	12.5	24.2
8:30 am-9:29 am	22.7	0	0	0	0	0	0	0	0	24.5
9:30 am-10:29 am	30.7	0	0	0	0	0	0	0	0	30.7
10:30 am-5:29 am	22.1	16.4	0	22.5	0	0	0	0	0	21.7
All departure times	23.0	26.6	23.5	23.9	27.5	0	0	12.1	12.5	23.2

SOURCE: 1990 Census Transportation Planning Package

Median Travel Time in Minutes by Means of Transportation (1990)



Median Travel Time in Minutes by Time Leaving to Work (1990)



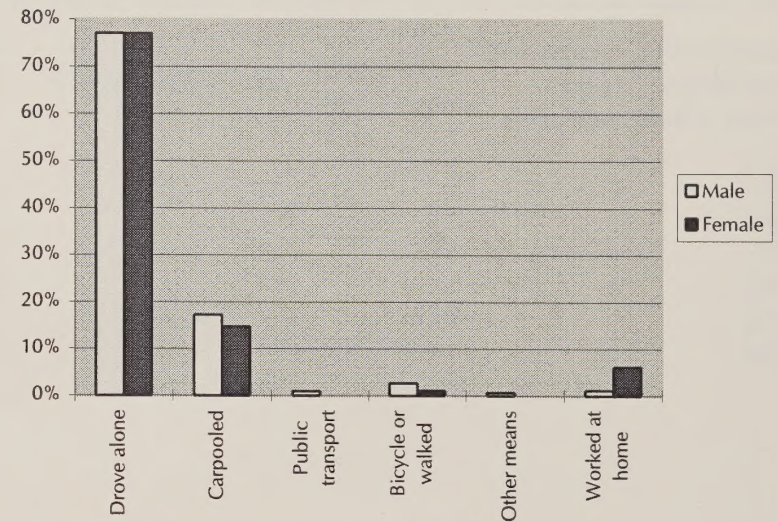
MEANS OF TRANSPORTATION TO WORK BY GENDER (1990)

Workers 16 Years and Over

	Male	Percent	Female	Percent	Total
Drove alone	772	77.1%	412	77.0%	1,184
2-person carpool	99	9.9%	58	10.8%	157
3-person carpool	62	6.2%	21	3.9%	83
4-or-more-person carpool	12	1.2%	5	0.9%	17
Bus or trolley bus	10	1.0%	0	0.0%	10
Streetcar, trolley, subway, elevated	0	0.0%	0	0.0%	0
Railroad	0	0.0%	0	0.0%	0
Bicycle or walked	27	2.7%	6	1.1%	33
Other means	7	0.7%	0	0.0%	7
Worked at home	12	1.2%	33	6.2%	45
Total, all means of transportation	1,001	100.0%	535	100.0%	1,536

SOURCE: 1990 Census Transportation Planning Package

Means of Transportation by Gender (1990)



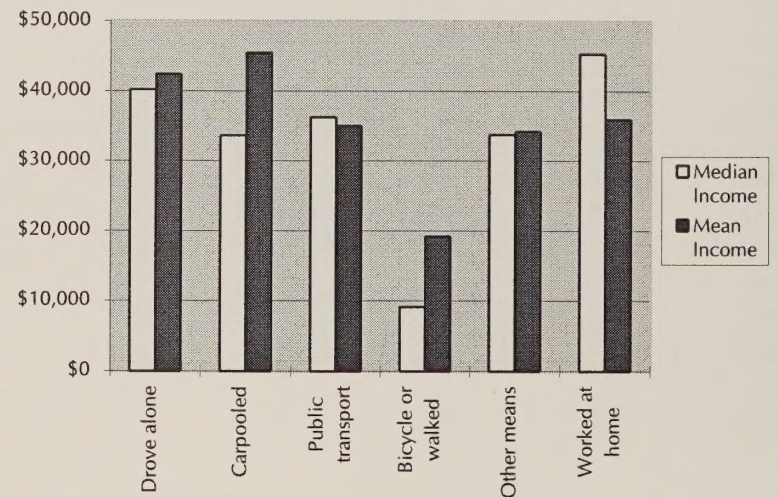
MEANS OF TRANSPORTATION TO WORK BY HOUSEHOLD INCOME (1990)

Workers 16 Years and Over in Households

	Median Income	Mean Income
Drove alone	\$40,197	\$42,458
2-person carpool	\$35,927	\$36,505
3-person carpool	\$35,687	\$32,417
4-or-more-person carpool	\$29,432	\$67,640
Bus or trolley bus	\$36,250	\$35,000
Streetcar, trolley, subway, elevated	\$0	\$0
Railroad	\$0	\$0
Bicycle or walked	\$9,196	\$19,231
Other means	\$33,750	\$34,227
Worked at home	\$45,313	\$35,928
Total, all means of transportation	\$37,110	\$40,809

SOURCE: 1990 Census Transportation Planning Package

Means of Transportation by Household Income (1990)



RESIDENCE LOCATION AND MEANS OF TRANSPORTATION TO WORK FOR PERSONS WORKING IN THE CITY OF WATERFORD (1990)

Workers Who Did Not Work at Home

Residence	Drove alone	Carpooled	Public transportation	Motorcycle	Bicycle	Walked	Other means	Total vehicles used in travel	Total vehicles used in carpooling	Total workers who did not work at home
Atwater city	0	9	0	0	0	0	0	3	3	9
Modesto city	80	5	0	0	0	0	0	81	1	85
Oakdale city	12	0	0	0	0	0	0	12	0	12
Turlock city	17	7	0	0	0	0	0	21	4	24
Waterford city	179	20	0	0	0	27	0	186	7	226
Remainder of California	169	0	0	0	0	9	5	169	0	183

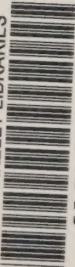
SOURCE: 1990 Census Transportation Planning Package

WORKPLACE LOCATION AND MEANS OF TRANSPORTATION TO WORK FOR PERSONS LIVING IN THE CITY OF WATERFORD (1990)

Workers Who Did Not Work at Home

Workplace	Drove alone	Carpooled	Public transportation	Motorcycle	Bicycle	Walked	Other means	Total vehicles used in travel	Total vehicles used in carpooling	Total workers who did work at home
Berkeley city	10	0	0	0	0	0	0	10	0	10
Ceres city	33	14	0	0	0	0	0	40	7	47
Hayward city	13	0	0	0	0	0	0	13	0	13
Keyes CDP	9	0	0	0	0	0	0	9	0	9
Manteca city	0	10	0	0	0	0	0	5	5	10
Modesto city	399	36	0	7	0	6	0	414	15	448
Oakdale city	139	29	10	0	0	0	0	151	12	178
Ripon city	9	0	0	0	0	0	0	9	0	9
Riverbank city	36	0	0	0	0	0	0	36	0	36
Turlock city	28	11	0	0	0	0	0	34	6	39
Waterford city	179	20	0	0	0	27	0	186	7	226
Woodland city	0	13	0	0	0	0	0	7	7	13
Remainder of California	329	124	0	0	0	0	0	382	53	453

SOURCE: 1990 Census Transportation Planning Package



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